UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/047,312	01/14/2002	Kevin S. Barker	RSW920010187US1	5177

7590   02/16/2005

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EXAMINER
MITCHELL, JASON D

ART UNIT	PAPER NUMBER
2124	

DATE MAILED: 02/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/047,312	BARKER ET AL.
	Examiner	Art Unit
	Jason Mitchell	2124

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>14 January 2002</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-25</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-25</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _____ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date *7/2/02 and 9/17/04*.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

DETAILED ACTION

1.   This action is in response to an application filed on 1/14/2002.

2.   Claims 1-25 are pending in this case.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.   **Claims 1, 3-8, 10-15, 17-21 and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by US 6,311,321 to Agnihotri et al. (Agnihotri).**

Regarding Claims 1, 8 and 15: Agnihotri discloses receiving one or more console identifiers, each of the console identifiers corresponding to one of the management consoles (col. 5, lines 3-7 'provides the user the option to select one console'); retrieving one or more plug-in code files, each of the plug-in code files derived from the management data (col. 4, lines 50-55 'applet components') and each adapted to interface with one of the management consoles (col. 4, lines 50-55 'specific to the Enterprise management console'); retrieving one or more display panel files derived from the management data (col. 4, lines 58-63 'Install interface'); and writing the plug-in code files and the display panels to a distribution medium (col. 4, lines 32-35 'a software module provided on a tangible medium').

Regarding Claims 3, 10 and 17: The rejection of claims 1, 8 and 15 are incorporated respectively; further Agnihotri discloses retrieving one or more translation files derived

from the management data (col. 4, 50-55 'class object definitions'), each of the

translation files corresponding to at least one national language (col. 5, lines 43-46

'console information such as ... language'); and writing the translation files to the

distribution medium (col. 4, lines 32-35 'a software module provided on a tangible

medium').

Regarding Claims 4, 11 and 18: The rejection of claims 1, 8 and 15 are incorporated

respectively; further Agnihotri discloses that each of the display panel files is adapted to

operate with a plurality of the management consoles (col. 4, lines 58-63 'generic

interface').

Regarding Claims 5, 12 and 19: The rejection of claims 1, 8 and 15 are incorporated

respectively; further Agnihotri discloses retrieving one or more plug-in runtime

algorithms (col. 7, lines 3-8 'interface COM objects'), each of the algorithms

corresponding to one of the console identifiers (col. 7, lines 3-8 'console specific

commands'); generating a console plug-in code file for each of the console identifiers

(col. 7, lines 3-8 'COM objects ... translate instructions ... into console specific

commands'); and compiling each of the generated console plug-in files (col. 7, lines 3-8

'translate instructions ... into console specific commands'), the compiling resulting in an

executable entity adapted to interface with the management console corresponding to

the console identifier (col. 6, lines 62-65 'The console libraries').

Regarding Claims 6, 13 and 20: The rejection of claims 1, 8 and 15 are incorporated

respectively; further Agnihotri discloses loading the distribution medium into a computer

system (col. 4, lines 47-48 'install module'); displaying a name corresponding to each of

the management consoles in a selection display (col. 5, lines 3-7 'provides the user the option to select one console'); receiving one or more selections from a user, each of the selections corresponding to one of the management consoles (col. 5, lines 3-7 'provides the user the option to select one console'); copying the plug-in code files corresponding to the selected management consoles from the distribution medium to a nonvolatile storage device accessible by the computer system (col. 5, lines 15-18 'install the component'); copying the display panel files from the distribution medium to a nonvolatile storage device accessible by the computer system (col. 5, lines 15-18 'may proceed to install the component'); and registering each of the plug-in code files with one or more installed management consoles (col. 5, lines 15-18 'and make appropriate updates to the console to integrate the component'), wherein the installed management consoles are installed on the computer system (col. 5, lines 5-6 'consoles are installed at a host system').

Regarding Claims 7, 14 and 21: The rejection of claims 6, 13 and 20 are incorporated respectively; further Agnihotri discloses invoking one of the installed management consoles (col. 5, lines 15-18 'and make appropriate updates to the console to integrate the component'); receiving a console selection from a user (col. 5, lines 3-7 'provides the user the option to select one console'); and displaying a display panel corresponding to one of the display panel files in response to the received selection (col. 5, lines 10-12 'an image file for graphical representation on the console').

Regarding Claim 25: Agnihotri discloses a computer program product stored on a computer operable medium for packaging management data adapted to interoperate

with one or more management consoles, said computer program product comprising:

means for receiving one or more console identifiers, each of the console identifiers

corresponding to one of the management consoles (col. 5, lines 3-7 'provides the user

the option to select one console'); means for retrieving one or more plug-in code files

(col. 4, lines 50-55 'applet components'), each of the plug-in code files derived from the

management data and each adapted to interface with one of the management consoles

(col. 4, lines 50-55 'specific to the Enterprise management console'); means for

retrieving one or more display panel files derived from the management data (col. 4,

lines 58-63 'Install interface'); means for retrieving one or more translation files derived

from the management data (col. 4, 50-55 'class object definitions'), each of the

translation files corresponding to at least one national language (col. 5, lines 43-46

'console information such as ... language'); and means for writing the translation files

the plug-in code files and the display panels to a distribution medium (col. 4, lines 32-35

'a software module provided on a tangible medium').

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

5. **Claims 2, 9, 16 and 22-24 are rejected under 35 U.S.C. 103(a) as being**

unpatentable over US 6,311,321 to Agnihotri et al. (Agnihotri) in view of "Common

Information Model (CIM) Specification v. 2.2" (CIM).

Regarding Claims 2, 9 and 16: The rejection of claims 1, 8 and 15 are incorporated

respectively; further Agnihotri discloses the use of non-console specific management

applications (col. 6, line 56), but does not disclose that the definition is a common

information model managed object format.

CIM teaches a common information model managed object format file (pg. 1, ch. 1.1

'management schemas') in an analogous art for the purpose of providing a 'conceptual

framework ... to organize the available information about the managed environment'

(pg. 1, ch. 1.1).

It would have been obvious to a person of ordinary skill in the art at the time of the

invention to model the 'device management applications' disclosed in Agnihotri (col. 6,

line 56) using the CIM management schema because one of ordinary skill in the art

would have been motivated to model the management information using a method

which allows for ease of development and reuse (CIM Ch. 1 Introduction and Overview

'Ideally, information used to perform tasks is organized or structured to allow disparate

groups of people to use it')

Regarding Claim 22: Agnihotri discloses a method of packaging management data

adapted to interoperate with one or more management consoles, said method

comprising: receiving one or more console identifiers, each of the console identifiers

corresponding to one of the management consoles (col. 5, lines 3-7 'provides the user

the option to select one console'); retrieving one or more plug-in code files, each of the

plug-in code files derived from the management data and each adapted to interface with

one of the management consoles (col. 4, lines 50-55 'applet components'); retrieving

one or more display panel files derived from the management data (col. 4, lines 58-63

'Install interface'); retrieving one or more translation files derived from the management

data, each of the translation files corresponding to at least one national language (col.

5, lines 43-46 'console information such as ... language'); and writing the translation

files, the plug-in code files and the display panels to a distribution medium (col. 4, lines

32-35 'a software module provided on a tangible medium'). Agnihotri does not disclose

that the management data includes a common information model managed object

format file, but discloses the use of non-console specific management applications (col.

6, line 56).

CIM teaches a common information model managed object format file (pg. 1, ch. 1.1

'management schemas') in an analogous art for the purpose of providing a 'conceptual

framework ... to organize the available information about the managed environment'.

It would have been obvious to a person of ordinary skill in the art at the time of the

invention to model the 'device management applications' disclosed in Agnihotri (col. 6,

line 56) using the CIM management schema because one of ordinary skill in the art

would have been motivated to model the management information using a method

which allows for ease of development and reuse (CIM Ch. 1 Introduction and Overview

'Ideally, information used to perform tasks is organized or structured to allow disparate

groups of people to use it').

Regarding Claim 23: Agnihotri discloses a method of packaging management data

adapted to interoperate with one or more management consoles, said method

comprising: receiving one or more console identifiers, each of the console identifiers

corresponding to one of the management consoles (col. 5, lines 3-7 'provides the user

the option to select one console'); retrieving one or more plug-in code files, each of the

plug-in code files derived from the management data and each adapted to interface with

one of the management consoles (col. 4, lines 50-55 'applet components'); retrieving

one or more display panel files derived from the management data (col. 4, lines 58-63

'Install interface'); retrieving one or more translation files derived from the management

data, each of the translation files corresponding to at least one national language (col.

5, lines 43-46 'console information such as ... language'); retrieving one or more plug-in

runtime algorithms, each of the algorithms corresponding to one of the console

identifiers (col. 6, lines 55-60 'device management applications'); generating a console

plug-in code file for each of the console identifiers (col. 7, lines 3-8 'COM objects ...

translate instructions ... into console specific commands'); compiling each of the

generated console plug-in files, the compiling resulting in an executable entity adapted

to interface with the management console corresponding to the console identifier (col. 6,

lines 62-65 'The console libraries'); writing the translation files, the compiled plug-in

code files and the display panels to a distribution medium (col. 4, lines 32-35 'a software

module provided on a tangible medium'). Agnihotri does not disclose that the

management data includes a common information model managed object format file,

but discloses the use of non-console specific management applications (col. 6, line 56).

CIM teaches a common information model managed object format file (pg. 1, ch. 1.1

'management schemas') in an analogous art for the purpose of providing a 'conceptual

framework ... to organize the available information about the managed environment'.

. It would have been obvious to a person of ordinary skill in the art at the time of the

invention to model the 'device management applications' disclosed in Agnihotri (col. 6,

line 56) using the CIM management schema because one of ordinary skill in the art

would have been motivated to model the management information using a method

which allows for ease of development and reuse (CIM Ch. 1 Introduction and Overview

'Ideally, information used to perform tasks is organized or structured to allow disparate

groups of people to use it').

Regarding Claim 24: Agnihotri discloses an information handling system comprising:

one or more processors; a memory accessible by the processors; a nonvolatile storage

area accessible by the processors; and a packaging tool for packaging management

data adapted to interoperate with one or more management consoles, the packaging

tool including: input logic for receiving one or more console identifiers, each of the

console identifiers corresponding to one of the management consoles (col. 5, lines 3-7

'provides the user the option to select one console'); retrieval logic for retrieving one or

more plug-in code files, each of the plug-in code files derived from the management

data and each adapted to interface with one of the management consoles (col. 4, lines

50-55 'applet components'); retrieval logic for retrieving one or more plug-in runtime

algorithms, each of the algorithms corresponding to one of the console identifiers (col.

6, lines 55-60 'device management applications'); code generation logic for generating a

console plug-in code file for each of the console identifiers (col. 7, lines 3-8 'COM

objects ... translate instructions ... into console specific commands'); and compiler logic

for compiling each of the generated console plug-in files, the compiling resulting in an

executable entity adapted to interface with the management console corresponding to

the console identifier (col. 6, lines 62-65 'The console libraries'); retrieval logic for

retrieving one or more display panel files derived from the management data (col. 4,

lines 58-63 'Install interface'); output logic for writing the compiled plug-in code files and

the display panels to a distribution medium (col. 4, lines 32-35 'a software module

provided on a tangible medium'). Agnihotri does not disclose that the management data

includes a common information model managed object format file, but discloses the use

of non-console specific management applications (col. 6, line 56).

CIM teaches a common information model managed object format file (pg. 1, ch. 1.1

'management schemas') in an analogous art for the purpose of providing a 'conceptual

framework ... to organize the available information about the managed environment'.

It would have been obvious to a person of ordinary skill in the art at the time of the

invention to model the 'device management applications' disclosed in Agnihotri (col. 6,

line 56) using the CIM management schema because one of ordinary skill in the art

would have been motivated to model the management information using a method

which allows for ease of development and reuse (CIM Ch. 1 Introduction and Overview

'Ideally, information used to perform tasks is organized or structured to allow disparate

groups of people to use it').

Conclusion

6.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. US 5,257,371 to Anezaki; US 5,754,173 to Hiura et al.; US

5,870,611 to London Shrader et al.; US 5,950,010 to Hesse et al.; US 6,199,195 to

Goodwin et al.; US 6,317,748 to Menzies et al.; US 2002/0029263 to Toyoshima et al.;

202/0107872 to Hudis et al.; US 2003/0110073 to Briel et al.; "A Pattern System for

Network Management Interfaces" by Keller et al.; and "Using Design Patterns to

Develop Reusable Object-Oriented Communication Software" by Schmidt.

        Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jason Mitchell whose telephone number is (571) 272-

3728. The examiner can normally be reached on Monday-Thursday and alternate

Fridays 7:30-5:00.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

        Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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2/4/5

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